INDEX TO VOLUME 79

A. Index of Papers by Author and by Title

Aarons, Jules, *Low-Frequency Noise Disturbance*, 266
Analysis of the Solar and Terrestrial Atmospheres, 238
Biological Utilization of Solar Energy, 323
Bridgman, P. W., *The Effect of Pressure on the Electrical Resistance of Certain Semi-Conductors*, 127
Bridgman, P. W., *The Electric Resistance to 30,000 kg/cm² of Twenty-Nine Metals and Intermetallic Compounds*, 149
Centennials and Sesquicentennials during 1951 with Interest for Chemists and Physicists, 1
Conference on the Sun in the Service of Man, 181
Continuous Casting of Steel, 45
Craig, Richard A., *Solar Variability and Meteorological Anomalies*, 280
Daniels, Farrington, *The Efficiency of Biological Photosynthesis*, 188
Effect of Pressure on the Electrical Resistance of Certain Semi-Conductors, 127
Efficiency of Biological Photosynthesis, 188
Electric Resistance to 30,000 kg/cm² of Twenty-Nine Metals and Intermetallic Compounds, 149
Energy from Forests, 212
Engineering Utilization of Solar Energy, 313
Gamow, George, *Will Our Sun Ever Explode?* 291
Goldberg, Leo, *The Analysis of the Solar and Terrestrial Atmospheres*, 238
Harter, Isaac, *Continuous Casting of Steel*, 45
Heidt, Lawrence J., *Non-Biological Photosynthesis*, 228
Hottel, Hoyt C., *The Engineering Utilization of Solar Energy*, 313
Huntress, Ernest H., *Centennials and Sesquicentennials during 1951 with Interest for Chemists and Physicists*, 1
Increasing Solar Energy Conversion Efficiency in Forest Trees by the Application of Genetics, 221
Influence of the Sun upon the Ionosphere, 254
Low-Frequency Noise Disturbance, 266
Meier, Richard L., *Possibilities of Photosynthesis in Lower Plants*, 196
Non-Biological Photosynthesis, 228
Pauley, Scott S., *Increasing Solar Energy Conversion Efficiency in Forest Trees by the Application of Genetics*, 221
Photosynthetic Energy via Agriculture, 205
Possibilities of Photosynthesis in Lower Plants, 196
Rabinowitch, Eugene, *The World's Energy Supplies and Their Utilization*, 296
Raup, Hugh M., *Energy from Forests*, 212
Sax, Karl, *Photosynthetic Energy via Agriculture*, 205
Shapley, Harlow, *Conference on the Sun in the Service of Man*, 185
Smith, Newbern, *Influence of the Sun upon the Ionosphere*, 254
Solar Variability and Meteorological Anomalies, 280
Sun in the Service of Man, Conference on, 181
Thimann, Kenneth V., *Biological Utilization of Solar Energy*, 323
Transformation of Solar Energy, 319
von Hippel, Arthur, *Transformation of Solar Energy*, 319
Will Our Sun Ever Explode? 291
World's Energy Supplies and Their Utilization, 296

B. Index to Affairs of the American Academy of Arts and Sciences

Agassiz, George, death announced, 334
Alphabetical index to Lists of Members, 92
Annual meeting, 337
Appropriations, 335
Assessment, annual, 335
Charter of Incorporation, 121
Committees, lists of and members of: 1950–51, 60; 1951–52, 329, 349
  Amory Prize, 61, 118, 331, 350
    Report of, 348
  Auditing, 61, 116, 330, 349
Committees, continued
  Classification of Membership, 62, 331
  Finance, 61, 116, 330, 349
    Report of, *see* Treasurer, 338
  House, 60, 116, 329, 349
    Report of, 340
  International Relations, 62, 228, 331
  Meetings, 61, 116, 330, 349
  Membership, 60, 116, 329, 349
  Nominating, 62
    Reconstituted, 335

Committees, continued
Permanent Science Fund, 61, 117, 330, 350
Grants, 344
Report of, 344
Planning and Development, 62, 331
Publication, 61, 116, 330, 350
Report of, 342
Rumford, 61, 117, 330, 350
Award of 1951 Premium, 336
Conference on the Sun in the Service of Man, 181, 186
Report of, 347
School Science, 62, 331
Science and Values, 331
Solar Energy, 62, 186, 331
Unity of Science, 62, 331
Warren, C. M., 61, 117, 330, 350
Grants, 347
Report of, 347
World Resources, 62, 331
Council, 60, 329, 349
Elections
Fellows and Foreign Honorary Members, 351
Officers and Committees, 349
Exhibits, 341
Fellows, list of, 63
Deaths, 337
Elected, 351
Introductions, 332–337
Resignations, 338
Transfer of Status, 337
Foreign Honorary Members, list of, 87
Deaths, 337
Elected, 353
Funds, *see under* committee in charge
International Congress of Mathematicians, 332
Introductions, *see* Fellows, Introductions
List of the Fellows and Foreign Honorary Members, 63
Meetings, records of, 332
Members, alphabetical index, 92
see also: Fellows, Foreign Honorary Members
Officers and Committees: 1950–51, 60; 1951–52, 329, 349
Publications, *see* Committee on Publication
Records of meetings, 332
Reports, *see* under respective officers, committees, etc.
Rumford Committee, *see* Committees, Rumford
Rumford Premium, 336
Statutes, 105
Revision of, 332, 335
Treasurer, report of, 338